

Semiconductor Lasers Market - Global Industry Analysis, Size, Share, Growth, Trends and Forecast 2014 – 2020

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Global Semiconductor Lasers Market to Expand at 7.10% CAGR owing to the Rapidly Expanding End-use Markets

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REPORT DESCRIPTION

Semiconductor Lasers Market - Global Industry Analysis, Size, Share, Growth, Trends and Forecast 2014 - 2020

Semiconductor lasers are made by semiconductor compound. In these lasers, light amplification is done by using active semiconductor materials. Semiconductor lasers are rapidly becoming indispensable part of modern lasers based systems and replacing conventional lasers in range of applications. This report has been prepared to provide in-depth analysis of the semiconductor lasers market with current trends and forecast for the period 2014 – 2020. The global semiconductor lasers market is expected to grow at a significant rate with rising awareness about the advantages of these lasers over other conventional lasers. Semiconductor lasers are small in size, requires miliwatts of power and more efficient than conventional lasers which makes them optimum choice in manufacturing of laser based systems. Compact size and low cost of semiconductor lasers also makes them an ideal choice for small electronic devices such as CD, DVDs and other optical data storage devices. In addition, improving global economic conditions and financial position of industrial and commercial users are expected to spur the demand for semiconductor lasers in the next six years. Emerging technologies such as green, blue and violet lasers are expected to gain market share steadily with continuous development in the output power and brightness. The global semiconductor lasers market was valued at USD 4.8 billion in 2013 and is expected to cross USD 7.7 billion by 2020 at a CAGR of 7.1% through forecast period.

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This study highlights recent developments and dynamics in the global semiconductor lasers market. The report includes detailed analysis of market growth and inhibiting factors in the global market. High level analysis such as Porter's Five Forces Analysis and competitive overview helps to understand the degree of competition and market winning strategies to be adopted in this market. In-depth value chain analysis will help to understand raw material supply trends, manufacturing process, laser component and end product supply trends in the global semiconductor laser industry. The report also highlights key potential segments in the market, which helps semiconductor laser suppliers to develop their investment and product development strategies.

We have classified the global semiconductor laser market based on type and application. The report also includes trends and dynamics in different types of semiconductor lasers and provides market size and forecast for each type for the period 2012 - 2020. The report also highlights the potential segments in the market. In addition, extensive analysis is done to cover all regional trends and dynamics in Asia-Pacific, North America, Europe, and Rest of the World (RoW). Report also highlights how regulations and policies across the world are boosting the demand for semiconductor lasers.

The report also includes profiles of the key players in the global semiconductor lasers industry which include their business overview, key market winning strategies, financial overview and recent developments. The report also highlights entry barriers and key strategies to be considered by new entrants looking to invest in the semiconductor laser industry in the near future. This report will help all players across the value chain of semiconductor laser industry in their tactical decision making.

The semiconductor lasers market is segmented as below:

By Type

- Fiber optic lasers (FOL)
- Vertical cavity surface emitting lasers (VCSEL)
- Compact disc lasers (CDL)
- High power diode lasers (HPDL)
- Red lasers
- Violet lasers
- Green lasers
- Blue lasers

By Application

- Optical storage devices
- Lithography

Healthcare
Defense and R&D
Sensors
Display
Printing
Communication
Industrial

By Geography

North America
Europe
Asia-Pacific
Rest of the World

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